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BRAIN RESEARCH

INTERNATIONAL MULTIDISCIPLINARY JOURNAL DEVOTED TO FUNDAMENTAL RESEARCH IN THE **BRAIN SCIENCES**

CUMULATIVE AUTHOR AND SUBJECT INDEXES

Volumes 290–311, 314–324

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Readers should note that American spelling is used throughout the Subject Indexes. The Editor and Publishers welcome any comments on the usefulness of this index, as well as suggestions for improvements.

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Electroencephalogram
Striate cortex; Development; Epileptiform activity; Penicillin; Bicuculline; Rabbit (Campbell, B.G.) **15**, 125

Electroencephalography
γ-Hydroxybutyric acid; Petit mal-like seizure; Ontogeny (Snead, O.C. III) **15**, 89

Electrophysiology
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Embryonic chick retina
Kainic acid; Neurotoxin; In vitro effect; Amino acid analogue (Gibson, B.L.) **15**, 97

Embryonic neuron
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Embryonic retina
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Embryonic sympathetic neuron
Adrenergic neuron; Cholinergic sympathetic neuron; Electrical coupling; Tissue culture; Dual function neuron; Neurotransmitter (Higgins, D.) **14**, 71

Endo-β-N-acetyl-glucosaminidase
Development; Rat cerebellum; Ontogenesis; Glycoprotein metabolism; Degradation (Cook, N.J.) **15**, 298

Enkephalinergic neuron
Met-enkephalin; Development; Spinal cord; Sensory ganglion; Tissue culture (Chalazonitis, A.) **12**, 183

Entorhinal lesion
Fetal alcohol syndrome; Sprouting; Acetylcholinesterase; Dentate gyrus; Rat (West, J.R.) **12**, 83

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Flurothyl; Seizure; Animal suckling; Substantia nigra; γ-Aminobutyric acid; Rotational behavior; Rat (Moshé, S.L.) **13**, 305

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Epileptiform activity
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Estrogen
Cat; Hypothalamus; Amygdala; Neostriatum; Neonatal development; Sex difference; Autoradiography (Rees, H.D.) **13**, 73

Ethanol
Synaptic membrane; Fluorescence polarization; Fluidity; Development; Lipid; Ganglioside (Hitzemann, R.J.) **14**, 113

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Astrocyte; Cell culture; Glial cell; Glutamine synthetase; Neurotoxicity (Davies, D.L.) **16**, 27

Ethanol drinking
Active (REM) sleep deprivation; Infant rat; Clomipramine; Open-field behavior; Rapid eye movement sleep (Hilakivi, L.A.) **15**, 129

Evoked potential
Auditory system; Thyroid hormone; Development; Rat; Brainstem response audiometry (Hébert, R.) **14**, 159

Evoked response
Lateral hypothalamic area; Development; Neurophysiology; Convergent input; Medial forebrain bundle (Fisher, R.S.) **12**, 55

Excitatory amino acid
N-acetyl-aspartate; Glutamate receptor; N-acetyl-aspartyl-glutamate; Development; Neuropeptide (Koller, K.J.) **15**, 137

Experimental allergic encephalomyelitis
Organotypic tissue culture; Demyelination; 2',3'-Cyclic nucleotide 3'-phosphohydrolase; Glycolipid (Roth, G.A.) **15**, 105

Extracellular matrix
Retinal ganglion cell axon; Axonal guidance; Laminin; Neuronal specificity; Control nervous system axon; Substrate interactions (Smalheiser, N.R.) **12**, 136

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Fetal alcohol syndrome
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Fetal brain
Superoxide dismutase; Glutathione peroxidase; Lipoperoxidation; Down's syndrome (Brooksbank, B.W.L.) **16**, 37

Fetal human brain
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Fetal rat brain
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Fluidity
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Fluorescence polarization
Synaptic membrane; Fluidity; Development; Lipid; Ganglioside; Ethanol (Hitzemann, R.J.) **14**, 113

Fluorescent dye
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Footshock-induced analgesia
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Forebrain
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Free and esterified dolichol
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GABAergic inhibition
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Galactocerebroside
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Gamma radiation
Retinal ganglion cell; Retinal development; Axonal survival; Trophic factor (Smalheiser, N.R.) **13**, 159

Ganglioside
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Ganglioside development
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Ganglioside synthesis
Chick retina gangliosides; Ganglioside development (Landa, C.A.) **14**, 83

Gastrin-releasing peptide
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Gerbil
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Glia
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Glial antigen
Monoclonal antibody; Peripheral nervous system; Development; Regeneration; Mouse (Schachner, M.) **14**, 165

Glial cell
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Glial fibrillary acidic protein
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Intermediate filament; Vimentin; Monoclonal antibody; Radial glia; Central nervous system; Development; Wound (Pixley, S.K.R.) **15**, 201

Glial fibrillary acidic protein regional development
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Glial filament
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Glioblastoma multiforme
Muscarinic receptor; Astrocytoma; Meningioma; Acetylcholinesterase; Malignancy; Binding affinity (Gurwitz, D.) **14**, 61

Gliogenesis
Astroglia; Neuroglia; Spinal cord; Postnatal development; Glial fibrillary acidic protein; Peroxidase-antiperoxidase method (Bullon, M.M.) **14**, 129

Glossopharyngeal nerve
Axon; Regeneration; Taste; Trophic; Vagus nerve; Gerbil (Oakley, B.) **16**, 195

Glucocorticoid
Hormone receptor; Sympathetic nervous system; Ontogeny; Glycerol phosphate dehydrogenase (Bohn, M.C.) **14**, 211

Glucocorticoid receptor
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Glucose
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Glucose utilization
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Glutamate decarboxylase regulation
γ-Aminobutyric acid; Retinal cell; Aggregate culture (De Mello, F.G.) **14**, 7

Glutamate receptor
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Glutamine synthetase
Carbonic anhydrase-C; Neural retina; Mouse; Müller glia cells; Amacrine neuron; Immunohistochemistry (Linser, P.J.) **13**, 65

Astrocyte; Cell culture; Glial cell; Neurotoxicity; Ethanol (Davies, D.L.) **16**, 27

Glutathione peroxidase
Superoxide dismutase; Lipoperoxidation; Down's syndrome; Fetal brain
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Glycerol phosphate dehydrogenase
Glucocorticoid; Hormone receptor; Sympathetic nervous system; Ontogeny
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Glycogen depletion
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Glycogen storage
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(Borke, R.C.) **16**, 277

Glycolipid
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Glycoprotein
Cell adhesion; L1 antigen; Development; Neurological mutant; Monoclonal antibody; Cell surface; Mouse (Faissner, A.) **15**, 69

Glycoprotein metabolism
Endo-β-N-acetyl-glucosaminidase; Development; Rat cerebellum; Ontogenesis; Degradation (Cook, N.J.) **15**, 298

GM_1 ganglioside
Serotonin neuron; Central nervous system development; 5,7-Dihydroxytryptamine; Degeneration; Regeneration (Jonsson, G.) **16**, 171

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Guinea pig
Maternal hyperthermia; Development; Brain; Synaptic membrane; Na^+,K^+-Adenosine triphosphatase; Ca^{2+},Mg^{2+}-Adenosine triphosphatase; Acetylcholinesterase
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Hair cell
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Hamster
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Head circumference
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Hereditary deafness
Single unit; Inferior colliculus; Electrical stimulation; Deafness mutant (Horner, K.C.) **15**, 33

High-affinity binding
Diazepam; Benzodiazepine; Glia; Receptor; Culture (Sher, P.K.) **14**, 1

Hippocampal formation
Kainic acid; Glutamate; Neurotoxicity; Postnatal development (Wolf, G.) **14**, 15

Hippocampal necrosis
Kainic acid; Hippocampus; Rabbit
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Hippocampal neuron
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Hippocampal sclerosis
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Brain development; Cerebellum; Olfactory bulb; Glucocorticoid receptor; Nuclear binding site (Pavlík, A.) **12**, 13

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Spreading depression; Seizure; In vitro slice; Immature central nervous system; Inhibition
(Haglund, M.M.) **14**, 51

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Histogenesis
Human neocortical development; Intracellular plasma protein; Immunoperoxidase (Møllgård, K.) **13**, 49

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Glucocorticoid; Sympathetic nervous system; Ontogeny; Glycerol phosphate dehydrogenase (Bohn, M.C.) **14**, 211

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Tectal transplant; Maturation; Host retina; Innervation; Anterograde transport (Harvey, A.R.) **12**, 27

Ethanol; Brain development; Teratology; Hippocampus; Mossy fiber; Rat (West, J.R.) **15**, 275

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Tectal transplant; Maturation; Innervation; Horseradish peroxidase; Anterograde transport (Harvey, A.R.) **12**, 27

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Neurofilament; Glial filament; Monoclonal antibody (Trojanowski, J.Q.) **13**, 229

γ-Hydroxybutyric acid
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5-Hydroxyindoleacetic acid
Growth hormone; Hyperthyroidism; Hypothyroidism; Serotonin; Substance P; Thyrotropin-releasing hormone (Savard, P.) **13**, 105

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Hyperactivity
Micrencephaly; Methylazoxymethanol; Ontogenesis (Vorhees, C.V.) **15**, 1

Hypercapnia
Developing brain; Lactate; Glucose (Miller, A.L.) **14**, 33

Hyperstriatum ventrale
Chick brain; Avoidance training; Stereology; Synapse (Stewart, M.G.) **12**, 261

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Growth hormone; 5-Hydroxyindoleacetic acid; Hypothyroidism; Serotonin; Substance P (Savard, P.) **15**, 239

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Monkey lateral geniculate nucleus; Reverse suture (Sloper, J.J.) **15**, 295

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Angiotensin II; Neurophysin; Neuron culture; Immunochemistry (Jirikowski, G.) **14**, 179

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Cytoplasmic estrogen receptor; Development; Sex difference; Lordosis (Ryer, H.I.) **13**, 9

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Growth hormone; 5-Hydroxyindoleacetic acid; Hyperthyroidism; Serotonin; Substance P (Savard, P.) **15**, 239

I

Immature brain
Kindling; Seizure; Progesterone (Holmes, G.L.) **16**, 45

Kindling; Seizure; Progesterone; Alphaxalone; Alphadalone acetate (Holmes, G.L.) **16**, 55

Immature central nervous system
Spreading depression; Seizure; Hippocampus; In vitro slice; Inhibition (Haglund, M.M.) **14**, 51

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Postnatal development; Presumptive neuron; Neuronal death; Synaptic elimination; Superior colliculus; Ultrastructure (Warton, S.S.) **14**, 101

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Rat brain; Vimentin; Immunocytochemistry; Astrocyte; Monoclonal antibody; Intermediate filament; Glial fibrillary acidic protein (Pixley, S.K.R.) **15**, 185

Immunochemistry
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Microtubule-associated protein; Cytoskeleton; Hippocampal neuron; Tissue culture; Dendrite; Neuronal development; Monoclonal antibody (Caceres, A.) **13**, 314

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Immunohistochemistry
Carbonic anhydrase-C; Glutamine synthetase; Neural retina; Mouse; Müller glia cells; Amacrine neuron (Linser, P.J.) **13**, 65

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In vitro effect
Kainic acid; Neurotoxin; Embryonic chick retina; Amino acid analogue (Gibson, B.L.) **15**, 97

In vitro slice
Spreading depression; Seizure; Hippocampus; Immature central nervous system; Inhibition (Haglund, M.M.) **14**, 51

Infant
Somatic sensory cortex; Tactile discrimination; Macaque development; Somesthesis (Carlson, M.) **16**, 69

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Active (REM) sleep deprivation; Clomipramine; Ethanol drinking; Open-field behavior; Rapid eye movement sleep (Hilakivi, L.A.) **15**, 129

Inferior colliculus
Single unit; Electrical stimulation; Hereditary deafness; Deafness mutant (Horner, K.C.) **15**, 33

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3-Acetylpyridine; Neurotoxin; Deafferentation; Weanling rat; Lesion (Anderson, W.A.) **12**, 285

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Input resistance
Locus coeruleus; Tissue culture; Spontaneous activity; Noradrenaline; Age dependence (Finlayson, P.G.) **15**, 167

Intermediate filament
Rat brain; Vimentin; Immunocytochemistry; Immunoblot; Astrocyte; Monoclonal antibody; Glial fibrillary acidic protein (Pixley, S.K.R.) **15**, 185

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K

Kainic acid
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Hippocampus; Hippocampal necrosis; Rabbit (Franck, J.E.) **13**, 219

Glutamate; Neurotoxicity; Hippocampal formation; Postnatal development (Wolf, G.) **14**, 15

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Seizure; Epilepsy; Status epilepticus; Kindling; Rat; Animal newborn; Hippocampal sclerosis (Okada, R.) **15**, 177

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Kainic acid; Seizure; Epilepsy; Status epilepticus; Rat; Animal newborn; Hippocampal sclerosis (Okada, R.) **15**, 177

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Visual cortex; GABAergic inhibition; Bicuculline; Development; Orientation selectivity (Sato, H.) **12**, 311

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L1 antigen
Cell adhesion; Development; Neurological mutant; Monoclonal antibody; Glycoprotein; Cell surface; Mouse (Faissner, A.) **15**, 69

Lactate
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Laminin
Retinal ganglion cell axon; Axonal guidance; Neuronal specificity; Extracellular matrix; Control nervous system axon; Substrate interactions (Smalheiser, N.R.) **12**, 136

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Lateral hypothalamic area
Development; Neurophysiology; Evoked response; Convergent input; Medial forebrain bundle (Fisher, R.S.) **12**, 55

Lateral hypothalamus
Suprachiasmatic nucleus; Ontogeny; Neuronal activity; Rat brain slice; Ventromedial hypothalamus (Shibata, S.) **13**, 29

Lateral motor column
Avian muscular dystrophy; Spinal cord transplantation; Neuronal survival (Stewart, P.A.) **14**, 271

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Synaptic membrane; Fluorescence polarization; Fluidity; Development; Ganglioside; Ethanol (Hitzemann, R.J.) **14**, 113

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Nerve growth factor; Phosphatidic acid effect; Cyclic adenosine monophosphate; Calcium flux (Traynor, A.E.) **14**, 205

Lipoperoxidation
Superoxide dismutase; Glutathione peroxidase; Down's syndrome; Fetal brain (Brooksbank, B.W.L.) **16**, 37

Locus coeruleus
Tissue culture; Spontaneous activity; Noradrenaline; Age dependence; Input resistance (Finlayson, P.G.) **15**, 167

Lateral geniculate nucleus; Adrenergic projection; Plasticity; Neonatal eye-enucleation; Electrophysiology (Nakamura, S.) **15**, 283

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Postactivation potentiation; Development; Dentate gyrus; Neocortex (Wilson, D.A.) **16**, 61

Lordosis
Cytoplasmic estrogen receptor; Hypothalamus; Development; Sex difference (Ryer, H.I.) **13**, 9

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Macaque
Somatic sensory cortex; Tactile discrimination; Infant; Cortical lesion; Development (Carlson, M.) **16**, 103

Macaque development
Somatic sensory cortex; Tactile discrimination; Somesthesis; Infant (Carlson, M.) **16**, 69

Macaque infant
Somatic sensory cortex; Tactile discrimination; Cortical lesion; Development (Carlson, M.) **16**, 83

Malignancy
Muscarinic receptor; Glioblastoma multiforme; Astrocytoma; Meningioma; Acetylcholinesterase; Binding affinity (Gurwitz, D.) **14**, 61

Malnutrition and developing brain
Protein malnutrition; Generational effects of malnutrition; Brain serotonin; Brain 5-hydroxyindoleacetic acid; Brain tryptophan; Plasma non-esterified fatty acid; Brain weight in newborn; Body weight in newborn; Brain growth and development (Resnick, O.) **15**, 219

Maternal chemoattractant
Olfactory bulb development; Precocial-altricial development; Norway rat; Mongolian gerbil; Spiny mouse (Leon, M.) **12**, 45

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Development; Brain; Guinea pig; Synaptic membrane; Na^+,K^+-Adenosine triphosphatase; Ca^{2+},Mg^{2+}-Adenosine triphosphatase; Acetylcholinesterase (Hutchinson, R.) **14**, 219

Maternal recognition
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Presumptive neuron
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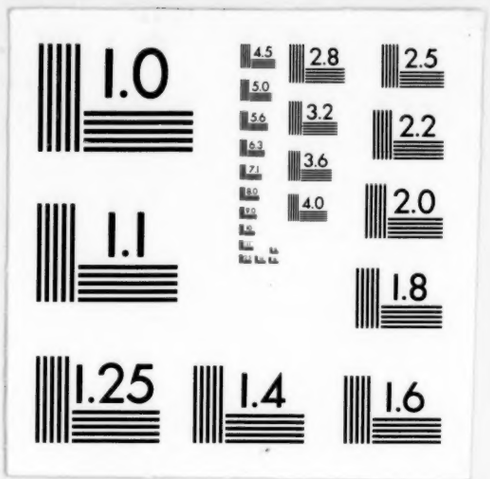
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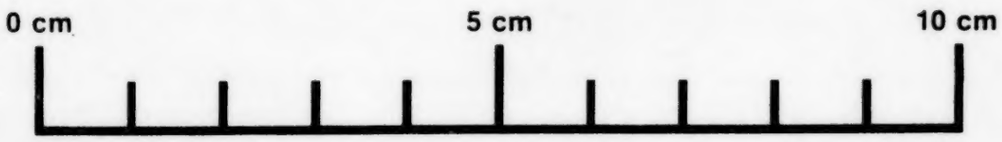
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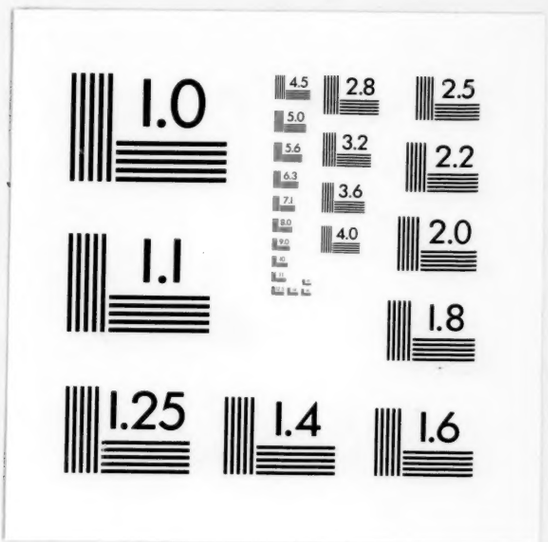
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